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CURRENT SERIAL RECORDS



TRENDS in FORAGE CROPS VARIETIES



Preface

Specialization has many facets. Among them one finds the cause for this study.

Since World War II notably farmers have relied increasingly for their forage seed requirements on producers more specialized in seed production, situated in areas favored by soil and climate. Production of forage seed has therefore become both specialized and centralized. But the users of this seed remain scattered over the length and breadth of the land. And their needs variety-wise are as varied.

Because of this situation there is concern for a means of reflecting to the seed producer the consumer's needs.

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VARIETY TRENDS IN FORAGE CROPS 1962 ^{1/}

Purpose

The purpose of the Varieties Trends Survey is to indicate changes in varieties one can expect among the crops used for forage production. Stated otherwise, the intent is to identify varieties that are on the way up in usage, those on the way out, and to give a measure of the rate of change. Species dealt with are those for which the seed is grown in certain localities for use elsewhere.

A distinctive feature of this survey is the possibility it has of giving us clues to the future of a new variety soon after it appears. It capitalizes promptly on State variety tests. The predictions are arrived at by collecting, weighting, then consolidating the appraisals of each variety, as supplied by the States using it.

Variety trends information serves both the buyer of forage seed (the consumer) and the seed producer. For the consumer it tends to shorten the time gap between the release of a new variety and the stage at which seed becomes readily available. For the seed producer it indicates varieties that will be in demand, hence, to be expanded in production, and those varieties to be reduced. In this way it contributes to efficiency in both production and marketing.

The need for variety trends information has increased sharply in recent years. One cause is the centralization of seed production in certain localities for use elsewhere. Another is the step-up in the number of new forage varieties released. While both these developments offer advantages, they intensify the problem of acquainting the seed producer with the consumer's wants.

The "seed trade" is concerned with information in the survey. The trade performs a vital role in relating supply to demand. It makes a major contribution by encouraging production of varieties that are in demand and placing this seed where most desired. But this function also is made easier when the demand situation is clarified.

^{1/} Compiled by John R. Paulling, Agronomist, Federal Extension Service, U.S. Department of Agriculture.

Survey Method

The survey covered Alaska and the 48 continental States. Hawaii and Puerto Rico were omitted because of the difference in their forage species.

In each of these 49 States an extension agronomist working with forage crops was asked to assume responsibility for his State's report. All 49 responded.

It was suggested that the extension agronomist solicit help of everyone who could contribute to the validity of results in appraising the varieties. These would include college staff engaged in research and extension relating to forage crops and to seed, State Agricultural Department representatives, seedsmen, seed improvement association officers, crops reporting officials and others. In several States extension agronomists have gone so far as to conduct statewide variety surveys.

In its simplest terms, the question posed was this: In light of the performance of this variety in your State tests and on farms (if it has reached that stage) together with your judgment of your farmers' readiness to switch to such a variety - what do you expect of it? Will it go up or down in usage, or will it remain stationary? If you expect a change, will the change be slight, moderate, or sharp?

It was suggested that these State representatives assume the required seed would be available at competitive prices. This, experience has shown, is a critical consideration.

No time limit was prescribed. We were seeking only the direction of change and its sharpness.

A basic list of varieties was entered on the questionnaire. States were requested to list others.

Computing the Results

A value of 1.0 was assigned to varieties expected to remain stationary. Values ranging above one indicate estimated increases and those below one, decreases. Hence, the seven possibilities in the full range of estimates are expressed by the following numerical values:

Sharp increase	- 1.3
Moderate increase	- 1.2
Slight increase	- 1.1
Stationary	- 1.0
Slight decrease	- 0.9
Moderate decrease	- 0.8
Sharp decrease	- 0.7

In the process of determining trends, each State's estimate was weighted proportionately to its share of total acreage of the crop in the States growing this variety. Take Lincoln bromegrass for example. If one of the 30 States reporting Lincoln grows ten times the total bromegrass acreage of another State reporting Lincoln, the larger producer influenced trend estimates ten times as much as the smaller.^{2/} This way of indicating trend is looked upon as a means of expressing consumer preference.

Understanding the Report

The actual difference between the figures 1.3 and 0.7 is small. But, as employed in this report, these numbers describe expected changes in the use of varieties ranging from sharp uptrends to sharp downtrends. Hence, 1.1 conveys a very different meaning from say, 0.9. Condensed in these tiny figures is the collective judgment of authorities on future needs for these forage crop seeds.

The trend figures are the basic part - the core - of the report. Therefore, when sizing up the predicted future for a variety, the trend is the first item to consider. But also to be weighed are the number of States reporting the variety in question and the importance there of the crop. The present acreage is much less significant, especially in the case of new varieties.

As a generalization, the larger the number of States reporting the variety, the more accurate the prediction is likely to be. Exceptions are most likely to occur when we have a variety that was so recently released that it had not yet been widely tested. Another exception is a variety that is adapted to only a limited area. Such considerations are intensified by the fact that this survey is designed to bring judgments to light as early as possible following the release of a variety. Obviously, the more important the crop is to the reporting region, the greater the potential will be for good varieties.

Small acreage is not a reflection against a variety. Every new variety must have a beginning. And among those with small acreages at present we'll likely find our leading varieties of 5 to 10 years from now.

^{2/} Occasionally, the sum of the acreages by varieties will not equal the totals shown in the tables. This is due to the lack of a complete breakdown by varieties in these instances.

Vernal alfalfa provides a good example. When the first trends survey was made in 1957, Vernal accounted for only 3 per cent of the total alfalfa acreage. But State workers who made that report possible predicted that Vernal would expand in use. And they continued to do so. What has happened? Use of Vernal has increased to the point that it accounts for over 18 per cent of the reported acreage this year.

Incidentally, studies on the soundness of the survey tell a similar story of Lincoln brome grass and Empire trefoil. They show also that the decline in Ranger alfalfa harmonizes quite well with the predictions.

Other Uses of the Report

In addition to trend predictions the survey has other uses. For example,

1. It tells us where a particular forage crop is grown and specifies the varieties used by regions and by States.
2. It enables workers in one State to compare their judgment of a variety with the judgment of workers in other States.
3. It identifies the areas where interest is greatest in a given variety.
4. When considered jointly with differences in seed prices among varieties it can reveal unsatisfied markets.

ACKNOWLEDGMENTS:

Many people had part in the production of this report. First, there was the extension agronomist in each State who shouldered the responsibility of crystallizing an expression of judgment of the varieties under test or in use on farms in his State. There were the coworkers of these men who together appraised the numerous varieties studied. They came from research, extension, crops reporting, seed trade, crop improvement, regulatory work and other fields concerned with crop improvement. As mentioned earlier, their response to the questionnaire was 100 percent.

In tabulation of data and the preparation of the report my colleagues George H. Enfield and Jasper Jernigan, since recently joining our staff, have given generously of their time and thought as did Mrs. Grace Larson of Extension Research and Training Division and Miss Lois Blake, FES Information Division. I acknowledge with gratitude also the contribution of our faithful secretarial staff Mrs. Mary Louise Picciani, Miss Helen Beaulieu and Miss Beulah Dushman.

To all of these I am deeply grateful.

Table 1 **ALFALFA**

Acreages by Varieties - By States and Regions

VARIETY	North Eastern Region		Me.	Md.	Mass.	N.H.	N.J.	N.Y.	Pa.	R.I.	Vt.	W. Va.	Total for Region
	Conn.	Del.											
	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres
Alfa	0.1				0.1			20.0	5.0				25.2
Atlantic				0.5			60.0	15.0	10.0			31.0	116.5
Buffalo		2.0		32.0			1.5		200.0	0.1		22.0	257.6
Cayuga	0.4						0.1	15.0					15.5
Culver							0.1						0.1
DuPuite	1.5	4.2	5.0	7.0	10.0	1.0	1.5	200.0	65.0	0.7		9.0	304.9
Grimm												15.0	15.0
Narragansett	1.1	0.1	11.0	2.0	5.0	5.2	0.1	500.0	29.0	4.5		20.0	578.0
Ranger				0.5		0.1	0.8	175.0	230.0	0.3		13.0	419.7
Vernal	25.5	1.2	4.0	6.0		3.5	22.0	175.0	160.0	3.5		39.0	439.7
Williamsburg		2.5		43.0	10.0							10.0	65.5
Common				18.0								1.0	19.0
Blende				0.3		0.1			35.0				35.4
All others	6.1			0.7		0.1			146.0				152.9
Total	34.7	10.0	20.0	110.0	25.1	10.0	86.1	1100.0	880.0	9.1		160.0	2445.0
	North Central Region		Iowa	Kans.	Mich.	Minn.	Mo.	Nebr.	N. Dak.	Ohio	S. Dak.	Wisc.	
	Ill.	Ind.											
Alfa	5.0		35.0										40.0
Atlantic	1.0	10.0	5.0				1.5			8.0			25.5
Buffalo	150.0	30.0	125.0	1373.5			165.0	14.0		160.0	0.5	1.0	2019.0
Caliverde												0.5	0.5
Com'l Hybride								28.0					28.0
Common	505.0	95.0	150.0	500.0			195.0	392.0	275.0	90.0	1250.0	50.0	3502.0
Cossack	10.0		25.0					56.0			250.0	25.0	366.0
Cody				100.0			0.5						100.5
Culver		32.0											32.0
DuPuits	50.0	10.0	225.0		25.0	32.0	7.0		15.0	50.0	1.3	150.0	565.3
FD-100	1.0		5.0										6.0
Grimm	50.0	10.0	100.0		200.0	100.0			275.0	50.0	30.0	40.0	855.0
Ladak			15.0	25.0	1.0				250.0		275.0	5.0	571.0
Lahontan				0.5									0.5
Moapa	10.0												10.0
Narragansett		0.5			0.4						0.1	5.0	6.0
Nomad								28.0					28.0
Orchies					2.0								2.0
Rambler											0.1		0.1
Ranger	700.0	580.0	600.0		500.0	1000.0	45.0	560.0	500.0	342.0	425.0	1100.0	6352.0
Rhizoma											8.5		8.5
Teton									0.3		4.0		4.3
Vernal	60.0	50.0	240.0	0.5	600.0	1000.0	145.0	14.0	400.0	450.0	40.0	1950.0	4949.5
Williamsburg				0.5									0.5
African					90.0		0.3						0.3
Blende	90.0		450.0				20.0		350.0	50.0	15.0	120.0	1185.0
All others			25.0		4.0	170.0	25.0	280.0				10.0	514.0
Total	1632.0	817.5	2000.0	2000.0	1422.4	2302.0	604.3	1400.0	2065.3	1200.0	2299.5	3456.5	21171.5

Table 1 (cont.)

ALFALFA

Acreages by Varieties - By States and Regions

VARIETY	Southern Region												Total for Region
	Ala.	Ark.	Fla.	Ga.	Ky.	La.	Miss.	N. C.	Okla.	Tenn.	Texas	Va.	
	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres
African			1.2								6.0		7.2
Atlantic	0.5			10.0	80.0		0.5	25.0	5.0	10.0		25.0	156.0
Buffalo	6.5	27.0		9.0	65.0	1.3	10.0	1.0	40.0	110.0	10.0	20.0	299.8
Caliverde			0.8								1.0		1.0
Chillian 21-5									1.5		1.0		0.8
Cody									315.0	100.0	280.0	92.0	2.5
Common	3.0	8.0			41.0	7.0	3.1						849.1
Culver					1.0								1.0
DuPuits				0.1	40.0			2.0		15.0		6.0	63.1
FD 100					8.0					0.5			8.5
Hairy Peruvian			6.0			0.7					20.0		26.7
Indian			0.2								8.0		8.2
Lahontan		3.0							10.0		10.0		23.0
Moapa											5.0		5.0
Narragansett	0.3			1.0	35.0		0.5	0.1		5.0		20.0	61.9
Orestan	14.4												14.4
Ranger		1.5			25.0		0.5						27.0
Rhizoma					2.0								2.0
Vernal	0.1	0.5			20.0							2.0	22.6
Williamsburg	0.7				10.0		0.5	2.0		10.0		90.0	113.2
Zia											5.0		5.0
All others				5.0	10.0			25.0	8.5	5.0		5.0	58.5
Total	25.5	40.0	8.2	25.1	337.0	9.0	15.1	55.1	380.0	255.5	346.0	260.0	1756.5
VARIETY	Western Region												Total for Region
	Ariz.	Calif.	Colo.	Idaho	Mont.	Nev.	N. Mex.	Ore.	Utah	Wash.	Wyo.	Alaska	
	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres
Alfa										1.5			1.5
African	66.5	30.0				1.0							97.5
Atlantic		0.6	3.0								5.0		8.7
Buffalo	1.5	1.1	100.0	0.2			7.0		0.1		10.0		122.3
Caliverde		30.0							2.5				30.0
Chillian 21-5	22.5	5.0											27.5
Cody		2.9	5.0			0.2							8.1
Common		75.0	200.0	467.0	375.0	8.0	41.0	30.0	90.0	30.0	100.0		1416.0
Cosack					25.0	4.0					3.0		32.0
Culver		1.1											1.1
DuPuits		5.0	10.0	5.2	15.0	0.3		52.0	0.7	35.0			123.2
FD 100		1.3				0.6							1.9
Grimm		5.0		4.0	325.0	1.0		28.0	25.0		50.0		438.0
Hairy Peruvian	5.0	5.0											10.0
Ladak		30.0	150.0	8.9	80.0	1.0		100.0	25.0	180.0	50.0		624.9
Lahontan	4.5	420.0	25.0	5.9		80.0	12.0	20.0	24.0				591.4
Meeker Baltic											1.0		1.0
Moapa	103.0	450.0				3.0							556.0
Narragansett		0.7	1.0	4.1		0.7			0.5		0.1		9.1
Nomad		0.2	1.0			1.5		25.0			0.1		27.8
Orestan								25.0					25.0
Rambler		2.0	0.5	109.4				1.0			0.1		112.9
Ranger	8.0	40.0	200.0		40.0	30.0	17.5	50.0	310.0	80.0	130.0		905.5
Rhizoma		1.0	0.5			0.1		2.0					3.6
Talent						0.1		14.0					14.1
Uinta			1.0										1.0
Vernal		20.0	50.0	14.5	50.0	4.0		42.0	4.0	240.0	2.0		426.5
Williamsburg		1.8				0.5							2.3
Zia		0.1											0.1
Blends	15.0	70.0	25.0	312.0	30.0	1.0			22.0	5.0	117.8		597.8
All others	1.0			62.8		1.0	22.5						87.3
Total	227.0	1197.8	772.0	994.0	940.0	138.0	140.0	391.0	503.8	571.5	469.1		6344.2

Table 2 **ALFALFA**

Acreages by Varieties, Expected Trends - By Regions

Variety	NORTHEASTERN				NORTH CENTRAL				SOUTHERN				WESTERN			
	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend
	1957-61 Average	1962			1957-61 Average	1962			1957-61 Average	1962			1957-61 Average	1962		
	1,000 acres				1,000 acres				1,000 acres				1,000 acres			
Alfa	15.3	25.2	1.0	1.0	13.1	40.0	*	1.1			*		—	1.5	*	1.2
African					56.5	0.3	*	0.8	5.6	7.2	*	1.0	286.8	97.5	1.5	0.8
Atlantic	119.7	116.5	4.8	0.9	30.4	25.5	*	1.0	165.0	156.0	8.9	1.0	17.7	8.7	*	0.9
Blonde	40.3	35.4	1.4	1.0	968.0	1,185.0	5.6	1.1					169.5	597.8	9.4	1.0
Buffalo	244.2	257.6	10.5	1.0	1,816.9	2,019.0	9.5	0.9	253.3	299.8	17.1	1.1	131.0	122.3	1.9	1.0
Calaverde					1.0	0.5	*	0.9	0.5	1.0	*	1.0	47.5	30.0	*	1.0
Cayuga	—	15.5	*	1.3					1.0	0.8	*	1.1	24.7	27.5	*	1.0
Chillian 21-5					25.1	100.5	*	1.2	0.6	2.5	*	1.3	2.5	8.1	*	1.1
Cody					28.0			1.1								
Com'l Hybrids					3,998.4	3,502.0	16.5	0.9	512.4	849.1	48.3	0.9	1,082.5	1,416.0	22.3	0.9
Common	45.0	19.0	*	1.0	263.9	366.0	1.7	1.0					39.3	32.0	*	0.9
Cosaseak	—	0.1	*	1.0	20.0	32.0	*	1.3	—	1.0	*	1.1	—	1.1	*	1.1
Culver	199.2	304.9	12.5	0.9	405.1	565.3	2.7	1.1	37.2	63.1	3.6	1.1	85.0	123.2	1.9	1.0
Du Puite	—	*	—	—	—	6.0	*	1.2	—	8.5	*	1.2	1.6	1.9	*	1.1
FD-100					1,309.8	855.0	4.0	0.9					382.3	438.0	6.9	0.9
Grimm	22.0	15.0	*	0.9					25.8	26.7	1.5	1.0	16.5	10.0	*	1.0
Hairy Peruvian									5.5	8.2	*	1.0				
Indian					479.0	571.0	2.7	0.9					537.5	624.9	9.8	1.0
Ladak					*	0.5	*	0.8	11.8	23.0	1.3	1.0	393.6	591.4	9.3	1.1
Lahontan					—	10.0	*	0.8	1.0	5.0	*	1.2	42.5	1.0	*	0.9
Meeker Baltic					3.5	6.0	*	1.0	38.2	61.9	3.5	1.1	284.3	556.0	8.8	1.0
Moapa					—	28.0	*	1.0					9.2	9.1	*	1.0
Narragansett	284.2	578.0	23.6	1.2	—	2.0	*	1.1					16.8	27.8	*	1.0
Nomad																
Orchies																
Orestan					—	0.1	*	1.1	—	14.4	*	0.9	—	25.0	*	1.0
Ranchler					7,075.2	6,352.0	30.0	0.9	28.8	27.0	1.5	1.0	1.2	112.9	1.8	1.1
Ranger	660.5	419.7	17.2	0.7	5.8	8.5	*	1.1	4.5	2.0	*	1.0	967.6	905.5	14.3	1.0
Rhiscma													2.6	3.6	*	1.0
Talent													9.0	14.1	*	1.1
Teton					0.8	4.3	*	1.2					1.0	—	*	1.1
Uinta					—	0.1	*	1.1					—	1.0	*	1.1
Vernal	208.1	439.7	18.0	1.2	2,526.8	4,949.5	23.4	1.2	9.4	22.6	1.3	1.0	193.9	426.5	6.7	1.1
Williamsburg	56.1	65.5	2.7	1.1	125.0	0.5	*	1.0	98.2	113.2	6.4	1.0	1.6	2.3	*	1.0
Zia									1.2	5.0	*	1.2	12.0	40.1	*	1.1
All Others	253.5	152.9	6.3	—	351.3	514.0	2.4	—	7.5	58.5	3.3	—	13.2	87.3	1.4	—
Total		2,445.0				21,171.5				1,756.5				6,344.1		

Table 3 **ALFALFA**

Acreages by Varieties, Expected Trends - U.S.

Variety	A C R E A G E		Total Acreage	Expected Trend	S T A T E S	
	1957-61	1962			Reporting	Recommending
	Average		Percent		No.	No.
	1,000 acres	1,000 acres				
Ranger	8,738.0	7,704.0	24.3	0.9	31	25
Vernal	2,936.0	5,838.0	18.4	1.1	36	36
Common	5,638.0	5,786.0	17.2	0.9	31	7
Buffalo	2,445.0	2,699.0	8.5	1.0	33	26
Blends	1,108.0	1,818.0	5.7	1.0+	22	1
Grimm	1,708.0	1,308.0	4.1	0.9	18	5
Ladak	1,017.0	1,196.0	3.8	0.9	16	13
DuPuits	727.0	1,057.0	3.3	1.0+	36	24
All Others	626.0	813.0	2.6	-	20	-
Narragansett	335.0	655.0	2.1	1.1	30	25
Lahontan	406.0	615.0	1.9	1.0	13	10
Moapa	287.0	571.0	1.8	0.9	5	4
Cossack	303.0	398.0	1.3	1.0	9	3
Atlantic	333.0	307.0	*	1.0	22	17
Williamsburg	180.0	182.0	*	1.0	13	11
Rambler	1.5	113.0	*	1.1	8	3
Cody	17.6	111.0	*	1.2	7	7
Alfa	24.0	67.0	*	1.1	8	6
Nomad	17.0	56.0	*	1.0	6	2
Zia	13.0	45.0	*	1.1	3	3
Orestan	--	39.0	*	1.0	2	1
Hairy Peruvian	42.0	37.0	*	1.0	5	3
Culver	20.0	34.0	*	1.2	5	2
Caliverde	49.0	32.0	*	0.9	3	1
Chillian 21-5	19.0	28.0	*	1.0	3	1
Commercial Hybrids	--	28.0	*	1.1	1	-
Cayuga	--	16.0	*	1.3	3	3
FD-100	2.0	16.0	*	1.2	7	1
Rhizoma	11.0	14.0	*	1.0	7	3
Talent	9.0	14.0	*	1.1	2	1
Indian	6.0	8.0	*	1.0	2	2
Teton	0.8	4.0	*	1.2	3	2
Orchies	--	2.0	*	1.1	1	-
Meeker Baltic	43.0	1.0	*	0.9	1	-
Uinta	--	1.0	*	1.1	2	-
African	349.0	105.0	*	0.8	6	2
Cherokee	--	--	-	1.3	-	1
Total		31,719.0				

RED CLOVER

Table 4

Acreages by Varieties - By States and Regions

VARIETY	<u>North Eastern Region</u>												Total for Region
	Conn.	Del.	Me.	Md.	Mass.	N.H.	N.J.	N.Y.	Pa.	R.I.	Vt.	W.Va.	
	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres
Chesapeake		4.0		45.0		0.1	0.3		13.0				62.4
Common			17.0	137.0	5.0	2.0	4.5	425.0		0.1			590.6
Dollard	0.1		2.5		0.2	1.0		15.0		0.1			18.9
Kenland		3.0		40.0	0.2		0.6		15.0				58.8
Lakeland						0.1							0.1
Mammoth			5.0	1.0				35.0					41.0
Pennscoott	6.8	14.0	5.5	7.0	15.0	16.0	24.0	125.0	500.0	3.2			716.5
All others	3.8	2.0				0.8	0.6		676.0				683.2
Total	10.7	23.0	30.0	230.0	20.4	20.0	30.0	600.0	1204.0	3.4			2171.5
	<u>North Central Region</u>												
	Ill.	Ind.	Iowa	Kane.	Mich.	Minn.	Mo.	Nebr.	N.D.	Ohio	S.D.	Wisc.	
	1000.0	1300.0	800.0	20.0	300.0	400.0	240.0	97.1	4.0	1100.0	1.5	700.0	5762.6
Dollard	3.0		25.0		35.0	80.0			5.0	95.0	0.2	300.0	543.2
Kenland	10.0	225.0	140.0	2.0	25.0		325.0	20.3	0.3	260.0			1007.6
Lakeland	5.0				0.1	5.0			0.2	50.0		50.0	110.3
Mammoth	182.0	380.0											562.0
Pennscoott		5.0	35.0		85.0	5.0			0.2	60.0		1.0	190.2
All others					10.0		6.0	27.6		35.0			79.6
Total	1000.0	1910.0	1000.0	22.0	445.1	500.0	571.0	145.0	9.7	1600.0	1.7	1051.0	8255.5
	<u>Southern Region</u>												
	Ala.	Ark.	Fla.	Ga.	Ky.	La.	Miss.	N.C.	Okla.	Tenn.	Texas	Va.	
Chesapeake					1.0			0.2				55.0	56.2
Common					120.0	0.8		4.0		50.0			174.8
Kenland	0.5	14.0	4.0	5.0	350.0	2.0	5.0	10.0		160.0	0.5	240.0	791.0
Nolin's			2.0			0.6							2.6
Orbit					2.0		0.5					5.0	0.5
Pennscoott													7.0
Port Gibson						0.6	2.0						2.6
Tensasie			3.0			0.3					0.8		4.1
Va. Adapted								2.5				170.0	172.5
Total	0.5	14.0	9.0	5.0	473.0	4.3	7.5	16.7	0.1	210.0	1.3	470.0	1211.3
	<u>Western Region</u>												
	Ariz.	Calif.	Colo.	Idaho	Mont.	Nev.	N.Mex.	Ore.	Utah	Wash.	Wyo.	Alaska	
Alakland												0.2	0.2
Chesapeake						0.2							0.2
Common			6.0	68.0	150.0	5.0		20.0	82.0	75.0			406.0
Dollard			0.5	0.2	0.1	0.3		5.0			0.5		6.6
Kenland			4.0	35.3	70.0	0.8		80.0	21.0	200.0	0.5		411.6
Lakeland			0.5	0.6	0.3	0.3		1.0		5.0	0.1		7.8
Pennscoott			3.0	4.1		0.3		20.0		45.0	0.5		72.9
All others			1.0	33.8									34.8
Total			15.0	142.0	220.4	6.9		126.0	103.0	325.0	1.6	0.2	940.1

Table 6 **RED CLOVER**

Acreages by Varieties, Expected Trends - U.S.

Variety	A C R E A G E		Total Acreage	Expected Trend	S T A T E S	
	1957-61	1962			Reporting	Recommending
	Average		Percent		No.	No.
	1,000 acres	1,000 acres				
Common	7,584.8	6,934.0	55.1	1.0	30	13
Kenland	1,944.8	2,269.0	18.0	1.1	34	28
Pennscott	688.8	986.6	7.8	1.0	25	23
All Others	118.4	797.6	6.3	-	12	-
Mammoth	484.2	603.0	4.8	0.9	5	1
Dollard	155.2	568.7	4.5	1.0	22	20
Va. Adapted	176.5	172.5	1.4	0.9	2	2
Chesapeake	40.4	118.8	*	1.1	9	9
Lakeland	*	118.2	*	1.1	15	18
Tensas	5.7	4.1	*	1.2	4	5
Nolin's	3.2	2.6	*	1.1	2	3
Port Gibson	2.5	2.6	*	1.0	2	2
Orbit	*	0.5	*	1.2	1	2
Alaskland	*	0.2	*	1.1	1	1
Total		12,578.4				

Table 5 **RED CLOVER**

Acreages by Varieties, Expected Trends - By Regions

Variety	N O R T H E A S T E R N				N O R T H C E N T R A L				S O U T H E R N				W E S T E R N			
	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend
	1957-61 Average	1962			1957-61 Average	1962			1957-61 Average	1962			1957-61 Average	1962		
	1,000 acres				1,000 acres				1,000 acres				1,000 acres			
Chesapeake	21.3	62.4	2.9	1.1					25.4	56.2	4.6	1.2	*	0.2	*	1.1
Common	1382.3	590.6	27.2	0.9	5711.7	5762.6	69.8	1.0	148.6	174.8	14.4	1.0	342.4	406.0	43.2	1.0
Dollard	6.6	18.9	*	0.8	144.2	563.2	6.6	1.0					5.6	6.6	*	1.0
Kenland	234.0	58.8	2.7	0.8	754.6	1007.6	12.2	1.1	628.9	791.0	65.3	1.1	327.5	411.6	43.8	1.0
Lakeland	-	0.1	*	1.2	*	110.3	1.3	1.1					1.1	7.8	*	1.2
Mammoth	65.5	41.0	1.9	0.9	418.7	562.0	6.8	0.9								
Pennscott	510.7	716.5	33.0	1.0	110.2	190.2	2.3	1.0	3.6	7.0	*	1.0	64.3	72.9	7.8	1.1
Va. Adapted					--	*	*	--	176.5	172.5	14.2	0.9				
Nolin's									3.2	2.6	*	1.1				
Port Gibson									2.5	2.6	*	1.0				
Alaskland																
Tensas									5.7	4.1	*	1.2				
Orbit									*	0.5	*	1.2				
All other	77.0	683.2	31.5	-	36.0	79.6	*	-	--	--	-	-	3.9	34.8	3.7	-
Total		2171.5				8255.5				1211.3				940.1		

Table 7 **WHITE CLOVER**

Acreages by Varieties - By States and Regions

VARIETY	North Eastern Region		Me.	Md.	Mass.	N.H.	N.J.	N.Y.	Pa.	R.I.	Vt.	W.Va.	Total for Region
	Conn.	Del.											
	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres
Common Ladino Oregon Certified Pilgrim	11.1	35.0	20.0	10.0 150.0	2.0 30.0	20.0 1.0 4.0	50.0	100.0	160.0	2.7			62.0 528.8 1.0 4.0
Total	11.1	35.0	20.0	160.0	32.0	25.0	50.0	100.0	160.0	2.7			595.8
	North Central Region		Iowa	Kans.	Mich.	Minn.	Mo.	Nebr.	N.D.	Ohio	S.D.	Wisc.	
	Ill.	Ind.											
Common Ladino All others	850.0	400.0	50.0		250.0		580.0	1.9 0.6 2.5		300.0 800.0		600.0	301.9 3530.6 2.5
Total	850.0	400.0	50.0		250.0		580.0	5.0		1100.0		600.0	3835.0
	Southern Region		Fla.	Ca.	Ky.	La.	Miss.	N.C.	Okla.	Tenn.	Texas	Va.	
	Ala.	Ark.											
Common Ladino La. S-1 La. White Oregon Certified Pilgrim Alala Nolin's All others	70.0 35.0 325.0	1300.0 340.0 40.0 70.0	8.0 15.0 4.0	40.0 30.0 390.0	150.0 550.0	283.1 9.9 169.2	250.0 25.0 25.0	200.0 850.0	8.0 5.0 1.5	50.0 120.0 10.0 800.0 20.0 2.0 10.0	50.0 60.0 125.0	20.0 690.0	2311.1 2707.9 385.7 1714.0 21.0 3.0 40.0 31.2 469.1
Total	900.0	1750.0	39.0	460.0	700.0	510.5	300.0	1050.0	16.5	1012.0	235.0	710.0	7683.0
	Western Region		Colo.	Idaho	Mont.	Nev.	N. Mex.	Ore.	Utah	Wash.	Wyo.	Alaska	
	Ariz.	Calif.											
Common Ladino New Zealand Pilgrim All others	0.5 1.0	570.0	10.0 8.0	18.0	0.5	10.0 5.0		38.0 50.0 35.0 5.0	150.0 51.0	35.0 55.0 20.0	0.5		226.5 721.0 90.0 25.0 45.0
Total	1.5	600.0	23.0	18.0	0.5	25.0		128.0	201.0	110.0	0.5		1107.5

Table 8 **WHITE CLOVER**

Acreages by Varieties, Expected Trends - By Regions

Variety	NORTHEASTERN				NORTH CENTRAL				SOUTHERN				WESTERN			
	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend
	1957-61 Average	1962			1957-61 Average	1962			1957-61 Average	1962			1957-61 Average	1962		
	1,000 acres				1,000 acres				1,000 acres				1,000 acres			
Alalu	15.2	62.0	10.4	1.0	163.2	301.9	7.9	1.0	46.3	40.0	*	0.9	456.6	226.5	20.4	1.0
Common	636.3	529.8	88.8	1.0	3641.5	3530.6	92.0	1.0	2981.3	2311.1	30.1	1.0	655.2	721.0	65.1	1.0
Ladino									2420.4	2728.9	35.5	1.1				
La. S-1									306.0	385.7	5.0	1.1				
La. White									1280.6	1714.0	22.3	0.9	10.0	-	-	-
Nolin's									81.0	31.2	*	1.1				
New Zealand													70.0	90.0	8.1	1.1
Pilgrim	15.9	4.0	*	1.1	1.0	2.5	*	-	2.4	3.0	*	1.0	23.0	25.0	2.3	1.0
All others									500.0	469.1	6.1	-	95.0	45.0	4.1	-
Total		595.8				3835.0				7683.0				1107.5		

Table 9 **WHITE CLOVER**

Acreages by Varieties, Expected Trends - U.S.

Variety	A C R E A G E		Total Acreage	Expected Trend	S T A T E S	
	1957-61	1962			Reporting	Recommending
	Average		Percent		No.	No.
	1,000 acres	1,000 acres				
Ladino	7,353.4	7,510.3	57.6	1.1	36	37
Common	3,416.4	2,901.5	21.9	1.0	20	14
La. White	1,284.6	1,714.0	13.0	0.9	6	5
All Others	595.0	516.6	3.9	-	6	-
La. S-1	306.0	385.7	2.9	1.1	8	9
New Zealand	70.0	90.0	*	1.1	2	2
Alalu	46.3	40.0	*	0.9	2	2
Pilgrim	41.3	32.0	*	1.0	5	6
Nolin's	81.0	31.2	*	1.1	2	2
Total		13,221.3				

Table 10 **SWEET CLOVER**
Acreages by Varieties - By States and Regions

VARIETY	<u>North Eastern Region</u>												Total for Region
	Conn.	Del.	Me.	Md.	Mass.	N.H.	N.J.	N.Y.	Pa.	R.I.	Vt.	W.Va.	
	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres
Biennial White				0.7			0.1						0.8
Biennial Yellow				0.8	0.1			0.1					0.9
Common						0.1							0.2
Total				1.5	0.1	0.1	0.2						1.9
<u>North Central Region</u>													
	Ill.	Ind.	Iowa	Kans.	Mich.	Minn.	Mo.	Nebr.	N.D.	Ohio	S.D.	Wisc.	
Biennial White	350.0	50.0		40.0	50.0				60.0		0.2	2.0	552.2
Biennial Yellow	400.0	100.0			10.0				70.0		175.0	5.0	810.0
Common			200.0	40.0	20.0	120.0	115.0	299.7	20.0	50.0			1004.7
Evergreen	4.0								10.0	10.0			24.0
Goldtop									1.6		0.4		2.0
Hubam	1.0		20.0					3.7			0.4		25.1
Madrid	15.0		80.0	520.0			35.0	14.8	170.0		0.8		835.6
Spanish									12.4				12.4
All others						5.0		51.8			85.0	3.0	144.8
Total	770.0	150.0	300.0	600.0	80.0	125.0	150.0	370.0	344.0	250.0	261.8	10.0	3410.8
<u>Southern Region</u>													
	Ala.	Ark.	Fla.	Ga.	Ky.	La.	N.C.	Okla.	S.C.	Tenn.	Texas	Va.	
Biennial White					20.0		2.0	25.0					47.0
Biennial Yellow		1.0			20.0			15.0					36.0
Common					10.0	1.9	0.5						12.4
Evergreen					10.0			5.0					15.0
Florana			15.0			0.9					40.0		55.9
Hubam		5.0	15.0	0.5		13.2	1.0	2.5			200.0		237.2
Israel			2.0								5.0		7.0
Madrid		0.5						10.0			20.0		30.5
All others						0.2							0.2
Total		6.5	32.0	0.5	60.0	16.2	3.5	57.5			265.0		441.2
<u>Western Region</u>													
	Ariz.	Calif.	Colo.	Idaho	Mont.	Nev.	N.Mex.	Ore.	Utah	Wash.	Wyo.	Alaska	
Biennial White						12.0	1.0		5.0		50.0		68.0
Biennial Yellow				0.2		35.0	5.0		8.0		100.0		148.2
Common	0.2		77.0										77.2
Goldtop			0.5								0.2		0.7
Hubam			10.0			5.0	0.5		6.0				21.5
Madrid			2.5			1.5			0.5		0.5		5.0
Total	0.2		90.0	0.2		53.5	6.5		19.5		150.7		320.6

Table 11 **SWEET CLOVER**

Acreages by Varieties, Expected Trends - By Regions

Variety	NORTHEASTERN				NORTH CENTRAL				SOUTHERN				WESTERN			
	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend
	1957-61 Average	1962			1957-61 Average	1962			1957-61 Average	1962			1957-61 Average	1962		
	1,000 acres				1,000 acres				1,000 acres				1,000 acres			
	Biennial White	0.8	0.8	42.0	1.0	550.3	552.2	16.2	1.0	16.3	47.0	10.6	1.0	32.0	68.0	21.2
Biennial Yellow	0.5	0.9	47.4	1.0	505.0	810.0	23.7	1.0	35.0	36.0	8.2	1.0	31.7	148.2	46.2	1.1
Common	377.7	0.2	10.5	1.0	1295.0	1004.7	29.5	1.0	50.5	12.4	2.8	1.0	146.9	77.2	24.1	1.0
Evergreen					73.4	24.0	*	1.0	7.0	15.0	3.4	1.0				
Florana									39.4	55.9	12.7	1.1				
Goldtop					*	2.0	*	1.1					0.1	0.7	*	1.1
Hubam					19.5	25.1	*	1.0	251.8	237.2	53.8	0.9	12.3	21.5	6.7	1.1
Israel									3.0	7.0	1.6	1.0				
Madrid					1189.6	835.6	24.5	1.0	21.9	30.5	6.9	0.9	30.5	5.0	1.6	1.0
Spanish					6.0	12.4	*	1.2					20.7	-	-	-
All others					80.0	144.8	4.9	-	-	0.2	*	-	9.9	-	-	-
Total		1.9				3410.8				441.2				320.6		

Table 12 **SWEET CLOVER**

Acreages by Varieties, Expected Trends - U.S.

Variety	A C R E A G E		Total Acreage	Expected Trend	S T A T E S	
	1957-61	1962			Reporting	Recommending
	Average		Percent		No.	No.
		1,000 acres	1,000 acres			
Common	1,870.4	1,094.5	26.2	1.0	15	6
Biennial Yellow	380.2	995.1	23.8	1.0	18	9
Madrid	1,242.1	871.1	20.9	1.0	15	15
Biennial White	453.6	668.0	16.0	1.0	16	10
Hubam	283.8	283.8	6.8	0.9	16	9
All Others	87.5	145.0	3.4	-	5	-
Florana	39.3	55.9	1.3	1.1	3	2
Evergreen	80.8	39.0	*	1.0	7	7
Spanish	18.5	12.4	*	1.2	2	4
Israel	3.1	7.0	*	1.0	2	2
Goldtop	*	2.7	*	1.1	5	6
Total		4,174.5				

Table 13

CRIMSON CLOVER

Acreages by Varieties - By States and Regions

VARIETY	<u>North Eastern Region</u>												Total for Region
	Conn.	Del.	Me.	Md.	Mass.	N.E.	N.J.	N.Y.	Pa.	R.I.	Vt.	W. Va.	
	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres
Common		8.0	2.0	15.0	0.1		0.5					4.0	29.6
Total		8.0	2.0	15.0	0.1		0.5					4.0	29.6
	<u>North Central Region</u>												
	Ill.	Ind.	Iowa	Kans.	Mich.	Minn.	Mo.	Nebr.	N.D.	Ohio	S.D.	Wisc.	
Common	1.0										0.2		0.2
All others													1.0
Total	1.0										0.2		1.2
	<u>Southern Region</u>												
	Ala.	Ark.	Fla.	Ga.	Ky.	La.	Miss.	N.C.	Okla.	Tenn.	Texas	Va.	
Allen				2.0									2.0
Auburn	18.0		0.5	2.0		10.6			0.1		0.5		31.7
Autauga	125.0		0.5	2.0		7.3			0.1		35.0		169.9
Chief	0.5	0.5		0.1		0.8	1.0		0.1	0.5			3.5
Common	45.0	10.0		60.0	2.0	6.8	25.0	50.0		40.0		400.0	638.8
Dixie	4.0	90.0	1.0	270.0		7.1	10.0	5.0	0.1	0.5	7.5		395.2
Hardy				2.0									2.0
Reseeding						27.3	50.0		0.5				77.8
Talladega	27.0		0.3						0.1		10.0		37.4
Thompson	0.5			2.0									0.5
Thornton													2.0
Total	220.0	100.5	2.3	340.1	2.0	59.9	86.0	55.0	1.0	41.0	53.0	400.0	1360.8
	<u>Western Region</u>												
	Ariz.	Calif.	Colo.	Idaho	Mont.	Nev.	N.Mex.	Ore.	Utah	Wash.	Wyo.	Alaska	
Chief								0.5					0.5
Common		113.0						5.0					118.0
Dixie		7.0						15.0					15.0
All others													7.0
Total		120.0						20.5					140.5

Table 14 **CRIMSON CLOVER**
Acreages by Varieties, Expected Trends - By Regions

Variety	NORTHEASTERN				NORTH CENTRAL				SOUTHERN				WESTERN			
	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend
	1957-61 Average	1962			1957-61 Average	1962			1957-61 Average	1962			1957-61 Average	1962		
	1,000 acres				1,000 acres				1,000 acres				1,000 acres			
Allen									0.4	2.0	*	1.0				
Auburn									20.0	31.7	2.3	1.0				
Autauga									144.2	169.9	12.5	1.0				
Chief									1.7	3.5	*	1.1				
Common	27.0	29.6	100.0	1.0	--	0.2	16.7	1.0	640.0	638.8	46.9	0.9	96.3	118.0	84.0	1.1
Dixie									585.8	395.2	29.0	1.1	18.8	15.0	10.7	0.9
Hardy									3.7	2.0	*	1.0				1.1
Reseeding									341.5	77.8	5.7	1.0				
Talladega									44.4	37.4	2.7	0.9				
Thompson									--	0.5	*	0.9				
Thornton									17.6	2.0	*	1.0				
All Others					--	1.0	83.3	--					--	7.0	5.0	--
Total		29.6				1.2				1,360.8				140.5		

Table 15 **CRIMSON CLOVER**
Acreages by Varieties, Expected Trends - U.S.

Variety	A C R E A G E		Total Acreage	Expected Trend	S T A T E S	
	1957-61	1962			Reporting	Recommending
					No.	No.
	1,000 acres	1,000 acres	Percent			
Common	763.3	786.6	51.3	0.9	17	11
Dixie	606.3	410.2	26.8	1.1	11	12
Autauga	144.0	169.9	11.1	1.0	6	6
Reseeding	341.5	77.8	5.1	1.0	2	4
Talladega	44.4	37.4	2.4	0.9	4	4
Auburn	20.0	31.7	2.1	1.0	6	6
All Others	--	8.0	*	-	2	-
Chief	1.4	4.0	*	1.1	7	7
Allen	0.4	2.0	*	1.0	1	1
Hardy	3.3	2.0	*	1.0	1	1
Thornton	17.5	2.0	*	1.0	1	1
Thompson	--	0.5	*	0.9	1	1
Total		1,532.1				

Table 16 **VETCH**

Acreages by Varieties - By States and Regions

VARIETY	North Eastern Region												Total for Region
	Conn.	Del.	Me.	Md.	Mass.	N.H.	N.J.	N.Y.	Pa.	R.I.	Vt.	W.Va.	
Common Hairy	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres
	0.5	5.0		1.0 10.0	0.3	0.1	2.0			0.1			8.0 11.0
	0.5	5.0		11.0	0.3	0.1	2.0			0.1			19.0
Total													
	North Central Region												
	Ill.	Ind.	Iowa	Kans.	Mich.	Minn.	Mo.	Nebr.	N.D.	Ohio	S.D.	Wisc.	
Common Hairy Madison	1.0			25.0	40.0	2.0	260.0	70.0		5.0 1.0	0.2		7.0 327.0 70.2
	1.0			25.0	40.0	2.0	260.0	70.0		6.0	0.2		404.2
Total													
	Southern Region												
	Ala.	Ark.	Fla.	Ga.	Ky.	La.	Miss.	N.C.	Okla.	Tenn.	Texas	Va.	
Common Doark Hairy Lana Madison Warrior Williamette Woolly Pod All others	4.0		5.0		12.0	47.9		0.1	5.5		15.0 0.5		89.5 0.5
	260.0	200.0	4.0	35.0	12.0	92.2	25.0	5.5	10.0	20.0	320.0 20.0		983.7 21.0 1.0 15.1
	15.0 95.0 1.0			0.1 6.0		0.1					15.0 0.5		116.1 3.0 63.8
Total	375.0	200.0	9.5	41.1	24.0	204.0	25.0	5.6	18.5	20.0	371.0		1293.7
	Western Region												
Common Hairy Lana Madison Purple Williamette Woolly Pod	Ariz.	Calif.	Colo.	Idaho	Mont.	Nev.	N.Mex.	Ore.	Utah	Wash.	Wyo.	Alaska	
		20.0 2.0 10.0							35.0	0.2 0.2	45.0	0.3	20.5 82.2 10.0 1.0 90.0 25.0 10.0
		90.0 10.0	1.0						25.0				
Total		132.0	1.0					60.0	0.4	45.0		0.3	238.7

Table 17 **VETCH**

Acreages by Varieties, Expected Trends - By Regions

Variety	NORTHEASTERN				NORTH CENTRAL				SOUTHERN				WESTERN			
	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend
	1957-61 Average	1962			1957-61 Average	1962			1957-61 Average	1962			1957-61 Average	1962		
	1,000 acres				1,000 acres				1,000 acres				1,000 acres			
	Common	5.5	8.0	42.1	1.1	10.2	7.0	1.7	1.0	178.2	89.5	6.9	0.9	41.0	20.5	8.6
Doark									10.0	0.5	*	1.0				
Hairy	7.5	11.0	57.9	1.1	275.6	327.0	80.9	1.1	1001.8	983.7	76.0	1.0	96.6	82.2	34.4	1.0
Lana									3.5	21.0	1.6	1.3	2.8	10.0	4.2	1.2
Madison					-	70.2	17.4	1.0	1.0	1.0	*	1.0	2.0	1.0	*	1.0
Purple									6.6	-	-	-	92.5	90.0	37.7	0.9
Warrior									9.3	15.1	1.2	1.3				
Willamette									85.4	116.1	9.0	0.9	26.7	25.0	10.5	1.0
Wooly-pod									3.4	3.0	*	1.0	7.5	10.0	4.2	1.0
All others									--	63.8	4.9	-				
Total		19.0				404.2				1293.7				238.7		

Table 18 **VETCH**

Acreages by Varieties, Expected Trends - U.S.

Variety	A C R E A G E		Total Acreage	Expected Trend	S T A T E S	
	1957-61	1962			Reporting	Recommending
					No.	No.
		1,000 acres	1,000 acres	Percent		
Hairy	1,381.6	1,403.9	71.8	1.0	25	22
Willamette	105.4	141.1	7.2	0.9	5	5
Common	234.9	125.0	6.4	0.9	15	9
Purple	97.5	90.0	4.6	0.9	1	1
Madison	1.5	72.2	3.7	1.0	3	3
All Others	--	63.8	3.3	-	1	-
Lana	4.5	31.0	1.6	1.3	3	3
Warrior	9.3	15.1	*	1.3	2	2
Wooly Pod	7.1	13.0	*	1.0	5	5
Doark	10.0	0.5	*	1.0	1	2
Total		1,955.6				

Table 19 **TREFOIL**

Acreages by Varieties - By States and Regions

VARIETY	<u>North Eastern Region</u>		Me.	Md.	Mass.	N.H.	N.J.	N.Y.	Pa.	R.I.	Vt.	W. Ve.	Total for Region
	Conn.	Del.											
	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres
Common	1.0	1.0		0.3	0.2	0.1	1.0	190.0	65.0	0.2			258.8
Empire	1.5		0.5	0.5	0.3	0.5	0.4	200.0	8.0	0.1			211.8
Manefield	0.5	0.1	0.6	0.1	0.1	0.5		10.0	8.0	0.1			20.0
Viking	0.5	0.1	0.6	0.1	0.2	0.1	0.6	300.0	29.0	0.2			331.4
Total	3.5	1.2	1.7	1.0	0.8	1.2	2.0	700.0	110.0	0.6			822.0
<u>North Central Region</u>													
	Ill.	Ind.	Iowa	Kans.	Mich.	Minn.	Mo.	Nebr.	N.D.	Ohio	S.D.	Wisc.	
Common		3.5	45.0	0.5	24.0	17.0	3.5	0.3		180.0			211.3
Empire	40.0	3.0			1.0		4.5	0.1	6.3	150.0	0.3		267.7
N.Dak. Selection									2.0	70.0			2.0
Viking	0.2	5.0	3.0		2.0	3.0		1.6				0.5	80.2
All others													5.1
Total	40.2	11.5	48.0	0.5	27.0	20.0	8.0	2.0	8.3	400.0	0.3	0.5	566.3
<u>Southern Region</u>													
	Ala.	Ark.	Ge.	Ky.	La.	Miss.	N.C.	Okla.	S.C.	Tenn.	Texas	Ve.	
Common				4.0						0.1		0.6	4.7
Douglas				1.0			0.2					0.6	0.2
Empire				1.0			0.2						1.6
Oranger				6.0			0.4			0.1		1.2	1.2
Total													7.7
<u>Western Region</u>													
	Ariz.	Calif.	Colo.	Idaho	Mont.	Nev.	N. Mex.	Ore.	Utah	Wash.	Wyo.	Alaska	
Common	0.1	400.0	0.5					2.0	0.2				402.8
Beever								1.0					6.0
Cascade		2.5						2.0		5.0			14.5
Douglas		2.5						10.0		10.0			12.5
Empire		2.5	0.5		0.5	0.1		1.0			0.1		4.7
Granger		2.5				0.1		6.0					8.6
Viking			0.5			0.1					0.1		0.7
All others		1.5											1.5
Total	0.1	411.5	1.5		0.5	0.3		22.0	0.2	15.0	0.2		451.3

Table 20 **TREFOIL**

Acreages by Varieties, Expected Trends - By Regions

Variety	NORTHEASTERN				NORTH CENTRAL				SOUTHERN				WESTERN			
	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend
	1957-61 Average	1962			1957-61 Average	1962			1957-61 Average	1962			1957-61 Average	1962		
	1,000 acres				1,000 acres				1,000 acres				1,000 acres			
Beaver													6.0	6.0	1.3	1.0
Cascade													9.5	14.5	3.2	1.1
Common	275.1	258.8	31.5	0.8	223.5	211.3	37.3	0.8	5.0	4.7	61.0	1.0	322.7	402.8	89.3	1.0
Empire	103.2	211.8	25.8	0.9	164.3	267.7	47.2	1.1	1.0	1.6	20.8	1.0	8.4	4.7	1.0	1.1
Douglas									0.1	0.2	2.6	1.2	10.0	12.5	2.8	1.1
Granger									0.8	1.2	15.6	1.0	9.3	8.6	1.9	1.1
Mansfield	8.3	20.0	2.4	1.0	*	--	--	--					*	--	--	--
N. D. Select.					1.1	2.0	*	1.1					--	*	*	--
Tana													0.5	0.7	*	1.1
Viking	54.2	331.4	40.3	1.1	21.2	80.2	14.1	1.2					10.7	1.5	*	--
All Others					--	5.1	0.9	--								
Total		822.0				566.3				7.7				451.3		

Table 21 **TREFOIL**

Acreages by Varieties, Expected Trends - U.S.

Variety	A C R E A G E		Total Acreage	Expected Trend	S T A T E S	
	1957-61	1962			Reporting	Recommending
	Average				No.	No.
	1,000 acres				1,000 acres	
Common	825.3	877.6	47.5	0.9	23	9
Empire	276.3	485.8	26.3	1.0	27	21
Viking	75.6	412.3	22.3	1.1	19	18
Mansfield	8.3	20.0	1.1	1.0	9	11
Cascade	9.5	14.5	*	1.1	3	4
Douglas	10.0	12.7	*	1.1	3	2
Granger	10.0	9.8	*	1.1	5	5
All Others	10.7	6.6	*	-	4	-
Beaver	6.0	6.0	*	1.0	2	2
North Dakota Selection	1.1	2.0	*	1.1	1	1
Tana	--	*	*	-	1	1
Total		1,847.3				

Table 22 **BROMEGRASS**
Acreages by Varieties - By States and Regions

VARIETY	<u>North Eastern Region</u>												Total for Region
	Conn.	Del.	Me.	Md.	Mass.	N.H.	N.J.	N.Y.	Pa.	R.I.	Vt.	W.Va.	
	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres
Common (No.)			8.0	1.0	2.5		37.0	28.0	25.0				2.5
Common (So.)								1.0					99.0
Achenbach					0.2	0.1							1.3
Elisberry				4.0									4.0
Fischer						0.1		1.0					1.1
Lancaster					0.1								0.1
Lincoln	13.5	1.0	11.0	3.0	2.0	12.0	12.0	150.0	35.0	3.0			242.5
Manchar						0.1							0.1
Saratoga	0.5		1.2		0.5	2.0	1.0	70.0	5.0	0.1			80.3
Total	14.0	1.0	20.2	8.0	5.3	14.3	50.0	250.0	65.0	3.1			430.9
	<u>North Central Region</u>												
	Ill.	Ind.	Iowa	Kans.	Mich.	Minn.	Mo.	Nebr.	N.D.	Ohio	S.D.	Wisc.	
Common (No.)	75.0					250.0		24.3	850.0		150.0	600.0	1949.3
Common (So.)	140.0					800.0		103.4	90.0		100.0	150.0	1753.4
Achenbach	20.0	15.0	5.0	1540.0			190.0		10.0		35.0	10.0	1865.0
Eleberry							2.5						17.5
Fischer			100.0				3.0						134.0
Homesteader									5.0			1.0	110.4
Lancaster									0.4		25.0		110.4
Lincoln	300.0	45.0	545.0			550.0	15.0	18.2	1.5	10.0	20.0	10.0	49.7
Lyon								249.3	510.0	180.0	200.0		2604.3
Manchar	1.0								0.5				0.5
Saratoga							0.5		20.0			5.0	26.0
Southland				60.0			30.0			2.0			2.5
All others								212.8	12.0	3.0			105.0
Total	536.0	60.0	650.0	1600.0	450.0	1600.0	241.0	608.0	1499.4	620.0	640.0	776.0	8830.4
	<u>Southern Region</u>												
	Ala.	Ark.	Ga.	Ky.	La.	Miss.	N.C.	Okla.	S.C.	Tenn.	Texas	Va.	
Common (So.)					5.0							1.0	6.0
Achenbach					20.0			1.0			0.8		21.8
Chapel Hill					15.0		1.1						16.1
Lincoln					20.0		1.0				0.5		21.5
Southland		1.0			30.0			5.0			0.8		36.8
Total		1.0			90.0		2.1	6.0			2.1	1.0	102.2
	<u>Western Region</u>												
	Ariz.	Calif.	Colo.	Idaho	Mont.	Nev.	N.Mex.	Ore.	Utah	Wash.	Wyo.	Alaska	
Common (No.)			10.0	10.0	40.0			8.0				5.0	73.0
Common (So.)	1.0		50.0						67.0		50.0		168.0
Achenbach			20.0			2.0							22.0
Elanco		10.0											10.0
Lincoln		15.0	43.0		17.5	2.0		2.0		15.0	20.0		114.5
Lyon			25.0										25.0
Manchar			1.0	1.2	2.5	3.0		5.0	6.0	320.0	15.0	2.2	355.9
Saratoga		15.0	1.0							5.0			21.0
All others		10.0				3.0							13.0
Total	1.0	50.0	150.0	11.2	60.0	10.0		15.0	73.0	340.0	85.0	7.2	802.4

Table 23 **BROMEGRASS**

Acreages by Varieties, Expected Trends - By Regions

Variety	NORTHEASTERN				NORTH CENTRAL				SOUTHERN				WESTERN			
	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend
	1957-61 Average	1962			1957-61 Average	1962			1957-61 Average	1962			1957-61 Average	1962		
	1,000 acres				1,000 acres				1,000 acres				1,000 acres			
Achenbach	9.3	1.3	*	0.9	1745.6	1865.0	21.1	1.0	6.4	21.8	21.3	1.2	31.4	22.0	2.7	0.9
Common No.	33.6	2.5	*	1.0	1793.1	1949.3	22.1	0.9					106.8	73.0	9.1	0.9
Common So.	142.1	99.0	23.0	0.8	2397.0	1753.4	19.9	1.0	5.3	6.0	5.9	1.0	99.2	168.0	20.9	1.1
Chapel Hill									4.0	16.1	15.8	1.1				
Blando													6.3	10.0	1.2	1.1
Elsberry	2.3	4.0	*	-	46.7	17.5	*	1.0								
Fischer	0.7	1.1	*	0.9	104.8	134.0	1.5	0.9								
Homesteader					70.1	110.4	1.3	1.0								
Lancaster	-	0.1	*	1.1	29.4	49.7	*	1.0								
Lincoln	284.6	242.5	56.3	0.9	2329.8	2604.3	29.5	0.9	2.9	21.5	21.0	1.1	69.2	114.5	14.3	0.9
Lyon					123.2	0.5	*	1.0					9.8	25.0	3.1	1.0
Manchar	1.0	0.1	*	1.0	10.1	26.0	*	1.0					334.7	355.9	44.4	1.1
Saratoga	15.7	80.3	18.6	1.2	-	2.5	*	1.1					10.8	21.0	2.6	1.0
Southland					47.8	105.0	1.2	1.0	7.8	36.8	36.0	1.2				
All others					-	212.8	2.4						-	13.0	1.6	-
Total		430.9				8830.4				102.2				802.4		

Table 24 **BROMEGRASS**

Acreages by Varieties, Expected Trends - U.S.

Variety	ACREAGE		Total Acreage	Expected Trend	STATES	
	1957-61	1962			Reporting	Recommending
	Average		Percent		No.	No.
	1,000 acres	1,000 acres				
Lincoln	2,686.5	2,982.8	29.3	0.9	30	30
Common (So.)	2,642.5	2,026.4	19.9	1.0	18	8
Common (No.)	1,925.0	2,024.8	19.9	0.9	12	8
Achenbach	1,790.9	1,910.1	18.8	1.0	15	19
Manchar	345.0	382.0	3.8	1.0	13	11
All Others	--	225.8	2.2	-	3	-
Southland	56.6	141.8	1.4	1.0	8	10
Fischer	105.2	135.1	1.3	0.9	7	8
Homesteader	70.1	110.4	1.1	1.0	2	2
Saratoga	20.9	103.8	1.0	1.1	13	14
Lancaster	29.4	49.8	*	1.0	5	6
Lyon	71.4	25.5	*	1.0	3	4
Elsberry	36.9	21.5	*	1.0	3	3
Chapel Hill	4.0	16.1	*	1.1	2	1
Blando	6.3	10.0	*	1.1	1	1
Total		10,165.9				

Table 25 **ORCHARDGRASS**
Acreages by Varieties - By States and Regions

VARIETY	<u>North Eastern Region</u>												Total for Region
	Conn.	Del.	Me.	Md.	Mae.	N.H.	N.J.	N.Y.	Pa.	R.I.	Vt.	W.Va.	
	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres
Common	3.4	17.0	2.5	120.0	7.5	2.0	72.0	40.0	65.0	0.3			329.7
Danish				1.0									1.0
Late Finnish					1.5	0.1							1.6
Mae-hardy	0.1				2.0								2.1
Pennlate	0.5								8.0				8.5
Potomac				3.0		0.1	8.0		3.0				14.1
S-37	3.5	4.0		3.0	5.0	0.5	20.0	10.0	74.0	0.5			120.5
Total	7.5	21.0	2.5	127.0	16.0	2.7	100.0	50.0	150.0	0.8			477.5
	<u>North Central Region</u>												
	Ill.	Ind.	Iowa	Kane.	Mich.	Minn.	Mo.	Nebr.	N.D.	Ohio	S.D.	Wisc.	
Common	200.0	60.0	600.0		5.0		340.0	1.9		400.0	0.1	75.0	
Danish	20.0												
Pennlate										30.0			
Potomac	2.0		10.0				2.0	0.1		120.0			
S-37													
Sterling							1.5						
Total	222.0	60.0	610.0		5.0		343.5	2.0		550.0	0.1	75.0	
	<u>Southern Region</u>												
	Ala.	Ark.	Ga.	Ky.	La.	Miss.	N.C.	Okla.	S.C.	Tenn.	Texas	Va.	
Boone													
Common	30.0	30.0	42.0	0.5			240.0	1.0		0.5			
Danish		90.0		145.0			170.0			220.0		750.0	
Ky. Select				20.0						35.0			
Potomac		2.5		2.0			20.0	0.5		1.0		1.0	
Total	30.0	122.5	42.0	168.5			430.0	1.5	10.0	256.5		751.0	
	<u>Western Region</u>												
	Ariz.	Calif.	Colo.	Idaho	Mont.	Nev.	N.Mex.	Ore.	Utah	Wash.	Wyo.	Alaska	
Akaroa		90.0				2.0				50.0			
Common	2.0	500.0	100.0	50.0	7.5	15.0	3.0	9.0	103.0	50.0	50.0		
Danish								50.0		50.0			
Late								25.0					
Pennlate		1.0		4.0	0.5	2.0		6.0	0.3	55.0	1.0		
Potomac								2.0					
S-143					3.5	1.0		10.0		45.0			
Sandia								10.0		15.0			
All others						2.0	2.0						
Total	2.0	591.0	100.0	54.0	11.5	22.0	5.0	112.0	103.3	215.0	51.0		1266.8

Table 26 **ORCHARDGRASS**

Acreages by Varieties, Expected Trends - By Regions

Variety	NORTHEASTERN				NORTH CENTRAL				SOUTHERN				WESTERN			
	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend
	1957-61 Average	1962			1957-61 Average	1962			1957-61 Average	1962			1957-61 Average	1962		
	1,000 acres				1,000 acres				1,000 acres				1,000 acres			
Akaroa													192.2	151.0	11.9	1.1
Boone																
Common	333.5	329.7	69.0	0.9	1,264.3	1,682.0	90.1	1.1	1,394.9	1,458.0	80.9	1.0	776.1	930.5	73.5	1.0
Danish	--	1.0	*	1.1	1.0	20.0	1.1	1.0	282.5	315.0	17.5	0.9	--	25.0	2.0	--
Ky. Select									2.0	2.0	*	1.0				
Latar													38.3	69.8	5.5	1.1
Late Finnish	*	1.6	*	1.0												
Mass-hardy	*	2.1	*	1.2												
Pennlate	5.0	8.5	1.8	1.2	20.0	30.0	1.6	1.1					--	2.0	*	1.1
Potomac	1.6	14.1	3.0	1.0	7.6	14.1	*	1.0	81.6	26.0	1.4	1.1	19.3	59.5	4.7	1.1
Sandia													--	2.0	*	1.1
Sterling					--	1.5	*	1.1								
S-143													225.5	25.0	2.0	0.9
S-37																
All Others	62.5	120.5	25.2	0.9	30.1	120.0	6.4	1.1					--	2.0	*	--
Total		477.5				1,867.6				1,802.0				1,266.8		

Table 27 **ORCHARDGRASS**

Acreages by Varieties, Expected Trends - U.S.

Variety	A C R E A G E		Total Acreage	Expected Trend	S T A T E S	
	1957-61	1962			Reporting	Recommending
	Average		Percent	No.	No.	
	1,000 acres	1,000 acres				
Common	3,769.4	4,400.2	81.3	1.0	38	25
Danish	282.8	361.0	6.7	1.0	6	3
S-37	92.6	240.5	4.4	1.0	10	10
Akaroa	172.2	151.0	2.8	1.1	4	3
Potomac	93.8	113.7	2.1	1.0	18	19
Latar	38.3	69.8	1.3	1.1	8	7
Pennlate	25.0	40.5	*	1.1	6	9
S-143	225.5	25.0	*	0.9	2	2
Mass-hardy	--	2.1	*	1.2	3	3
Ky. Select	2.0	2.0	*	1.0	1	1
Sandia	--	2.0	*	1.1	1	1
All Others	--	2.0	*	-	1	-
Late Finnish	*	1.6	*	1.0	3	1
Sterling	--	1.5	*	1.1	1	2
Boone	--	1.0	*	1.2	2	2
Total		5,413.9				

Table 26 **TIMOTHY**

Acreages by Varieties - By States and Regions

VARIETY	<u>North Eastern Region</u>												Total for Region
	Conn.	Del.	Me.	Md.	Mass.	N.H.	N.J.	N.Y.	Pa.	R.I.	Vt.	W.Va.	
	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres
Climax	1.5		15.0		20.0	9.9	2.0	600.0	74.0	0.8			723.2
Common	68.9	20.0	125.0	160.0	100.0	170.0	68.0	1990.0	1470.0	2.5			4174.4
Essex	0.1		1.7		2.0	0.1		10.0	6.0				19.9
All others					3.0								3.0
Total	70.5	20.0	141.7	160.0	125.0	180.0	70.0	2600.0	1550.0	3.3			4920.5
	<u>North Central Region</u>												
	Ill.	Ind.	Iowa	Kans.	Mich.	Minn.	Mo.	Nebr.	N.D.	Ohio	S.D.	Wisc.	
Climax						8.0				150.0			179.0
Common	1000.0	1000.0	20.0		500.0		1600.0	5.0		1800.0	0.1		6885.1
Essex		1.0	980.0							50.0			1.0
Lorain					0.5							1000.0	50.0
All others													1000.5
Total	1000.0	1002.0	1000.0		500.5	8.0	1600.0	5.0		2000.0	0.1	1000.0	8115.6
	<u>Southern Region</u>												
	Ala.	Ark.	Fla.	Ga.	Ky.	La.	N.C.	Okla.	S.C.	Tenn.	Texas	Va.	
Clair					20.0					1.0			21.0
Climax					90.0					10.0		2.0	2.0
Common		40.0										48.0	188.0
Total		40.0			110.0					11.0		50.0	211.0
	<u>Western Region</u>												
	Ariz.	Calif.	Colo.	Idaho	Mont.	Nev.	N.Mex.	Ore.	Utah	Wash.	Wyo.	Alaska	
Climax			150.0		300.0	5.0	6.0	1.0		40.0	200.0		41.0
Common									2.0	35.0		0.6	698.0
Engmo					0.1		2.0						0.6
Hopkina													0.1
All others													2.0
Total			150.0		300.1	5.0	8.0	1.0	2.0	75.0	200.0	0.6	741.7

Table 29 **TIMOTHY**

Acreages by Varieties, Expected Trends - By Regions

Variety	NORTHEASTERN				NORTH CENTRAL				SOUTHERN				WESTERN			
	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend
	1957-61 Average	1962			1957-61 Average	1962			1957-61 Average	1962			1957-61 Average	1962		
	1,000 acres				1,000 acres				1,000 acres				1,000 acres			
Clair	63.7	723.2	14.7	1.3	105.0	179.0	2.2	1.1	0.5	21.0	10.0	1.3	20.0	41.0	5.5	1.1
Climax	1,918.5	4,174.4	84.8	0.9	8,205.0	6,885.1	84.8	1.0	--	2.0	0.9	--	40.0	698.0	94.1	1.0
Common									50.0	188.0	89.1	0.9	--	0.6	*	1.2
Essex	15.3	19.9	*	1.2	--	1.0	*	1.0					--			
Hopkins													--	0.1	*	1.0
Itasca					--	*	*	--								
Lorain					100.0	50.0	*	0.8								
All Others	--	3.0	*	--	--	1,000.5	12.3	--					--	2.0	*	--
Total		4,920.5				8,115.6				211.0				741.7		

Table 30 **TIMOTHY**

Acreages by Varieties, Expected Trends - U.S.

Variety	A C R E A G E		Total Acreage	Expected Trend	S T A T E S	
	1957-61	1962			Reporting	Recommending
	Average				No.	No.
		1,000 acres	1,000 acres		Percent	
Common	10,213.5	11,945.5	85.4	0.9	29	17
All Others	--	1,005.5	7.2	1.1	4	-
Climax	188.7	945.2	6.8	1.2	15	14
Lorain	100.0	50.0	*	0.8	2	2
Clair	0.5	21.0	*	1.3	2	3
Essex	15.3	20.9	*	1.2	7	7
Engmo	--	0.6	*	1.2	1	1
Hopkins	--	0.1	*	1.0	1	1
Itasca	--	*	*	-	2	2
Total		13,988.8				

WHEATGRASS

Table 31

Acreages by Varieties - By States and Regions

VARIETY	<u>North Eastern Region</u>												Total for Region
	Conn.	Del.	Me.	Md.	Mass.	N.H.	N.J.	N.Y.	Pa.	R.I.	Vt.	W.Va.	
	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres
	<u>North Central Region</u>												
	Ill.	Ind.	Iowa	Kans.	Mich.	Minn.	Mo.	Nebr.	N.D.	Ohio	S.D.	Wiso.	
Amur								3.3			0.2		3.5
Fairway Crested											110.0		110.0
Greenar				1.0				46.2	14.0		0.3		0.3
Intermediate								26.4			6.0		67.2
Nebraska 50								6.6	500.0		3.0		26.4
Nordan Crested											0.3		509.6
Ree													0.3
Slender									125.0				125.0
Standard Crested								132.0	250.0		150.0		532.0
Tall				10.0				23.1	40.0		0.3		73.4
Western				200.0				3.3	46.0				249.3
All others								85.8			0.3		86.1
Total				211.0				330.0	975.0		270.4		1783.1
	<u>Southern Region</u>												
	Ala.	Ark.	Ca.	Ky.	La.	Miss.	N.C.	Okla.	S.C.	Tenn.	Texas	Va.	
Western								15.0			55.0		70.0
Total								15.0			55.0		70.0
	<u>Western Region</u>												
	Ariz.	Calif.	Colo.	Idaho	Mont.	Nev.	N.Mex.	Ore.	Utah	Wash.	Wyo.	Alaska	
Alkar								0.5	0.1	20.0			20.6
Amur			25.0						0.8				75.8
Fairway Crested			5.0					15.0	100.0		50.0		170.0
Greenar		75.0				0.5	0.1	1.0	0.9	120.0	1.0		198.4
Intermediate	3.0	75.0	75.0	10.0				20.0	52.0		50.0		285.4
Nebraska 50			15.0		0.2								15.2
Nordan Crested			5.0	50.0	40.0			6.0	1.0	65.0	10.0		177.0
Ree											5.0		5.0
Siberian				1.3		2.0		3.0	0.7	12.0			19.0
Slender			5.0					6.0	0.1		0.5		11.6
Sodar				0.1				1.0	0.1	3.0			4.2
Standard Crested	5.0	55.0	100.0	250.0	90.0	10.0	0.2	200.0	630.0	20.0	100.0		1460.2
Tall	3.5	5.0	25.0	3.0	12.0	5.0		5.0	20.0		2.0		80.5
Topar				0.8		0.5		1.0	1.0	15.0	1.0		19.3
Western			75.0		155.0		0.1	2.0	1.0		10.0		243.1
Whitmar				0.1				5.0	0.6	30.0	5.0		40.7
All others		40.0				0.2							40.2
Total	11.5	250.0	330.0	315.3	297.2	18.5	0.4	265.5	808.3	285.0	284.5		2866.2

Table 32 **WHEATGRASS**
Acreages by Varieties, Expected Trends - By Regions

Variety	NORTHEASTERN				NORTH CENTRAL				SOUTHERN				WESTERN			
	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend
	1957-61 Average	1962			1957-61 Average	1962			1957-61 Average	1962			1957-61 Average	1962		
	1,000 acres				1,000 acres				1,000 acres				1,000 acres			
Alkar					0.3	3.5	*	1.0					-	28.6	*	1.0
Amur					57.0	110.0	6.2	1.1					15.6	75.8	2.6	1.1
Fairway (Cr.)					0.4	0.3	*	0.9					117.0	170.0	5.9	1.0
Greenar					18.6	67.2	3.8	1.1					177.2	198.4	6.9	1.1
Intermediate					11.1	26.4	1.5	1.1					151.0	285.4	10.0	1.0
Nebr. 50					257.6	509.6	28.6	1.1					11.3	15.2	*	1.1
Nordan Cr.					0.3	0.3	*	1.0					68.2	177.0	6.2	1.1
Ree													-	5.0	*	0.7
Siberian													28.7	19.0	*	1.1
Slender					93.3	125.0	7.0	1.0					1.0	11.6	*	1.0
Sodar													3.0	4.2	*	1.1
Standard Cr.					367.2	532.0	29.8	0.9					1065.6	1460.2	50.9	1.0
Tall					31.7	73.4	4.1	1.1					71.0	80.5	2.8	1.0
Topar													13.4	19.3	*	1.0
Western					187.0	249.3	14.0	1.1	57.5	70.0	9.99	1.0	125.0	243.1	8.5	1.0
Whitmar					48.5								29.2	40.7	1.4	1.1
All others					-	85.1	4.8	-					-	40.2	1.4	-
Total						1783.1				70.0				2866.2		

Table 33 **WHEATGRASS**
Acreages by Varieties, Expected Trends - U.S.

Variety	A C R E A G E		Total Acreage	Expected Trend	S T A T E S	
	1957-61	1962			Reporting	Recommending
	Average		Percent		No.	No.
	1,000 acres	1,000 acres				
Standard Crested	1,432.8	1,992.2	42.2	1.0	14	13
Nordan Crested	325.8	686.6	14.5	1.1	11	10
Western	369.5	562.4	11.9	1.0	11	10
Intermediate	169.6	352.6	7.5	1.0	13	11
Fairway Crested	174.0	280.0	5.9	1.0	6	6
Greenar	177.6	198.7	4.2	1.0	7	8
Tall	102.5	153.9	3.3	1.0	13	11
Slender	93.7	136.6	2.9	1.0	5	5
All Others	--	126.3	2.7	-	4	-
Amur	19.6	79.3	1.7	1.0	5	4
Nebraska 50	19.6	41.6	*	1.1	3	3
Whitmar	48.6	40.7	*	1.1	5	5
Alkar	--	20.6	*	1.0	3	4
Topar	13.4	19.3	*	1.0	6	4
Siberian	28.7	19.0	*	1.1	5	5
Ree	*	5.3	*	0.8	1	1
Sodar	3.0	4.2	*	1.1	7	5
Total		4,719.3				

Table 34 **RYEGRASS**

Acreages by Varieties - By States and Regions

VARIETY	North Eastern Region												Total for Region
	Conn.	Del.	Me.	Md.	Mass.	N.H.	N.J.	N.Y.	Pa.	R.I.	Vt.	W.Va.	
	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres
Common					1.0		20.0		10.0				31.0
Domestic	1.0	50.0	2.0			0.4							53.4
Italian	3.8			6.0			20.0						26.0
Perennial				4.0	1.0	0.1	10.0			0.1			19.0
Total	4.8	50.0	2.0	10.0	2.0	0.5	50.0		10.0	0.1			129.4
	North Central Region												Total for Region
	Ill.	Ind.	Iowa	Kans.	Mich.	Minn.	Mo.	Nebr.	N.D.	Ohio	S.D.	Wisc.	
Common		5.0			10.0			0.1		25.0			
Domestic										10.0			
Italian										20.0			
Perennial								0.8		5.0			
All others								0.1					
Total		5.0			10.0			1.0		60.0			
	Southern Region												Total for Region
	Ala.	Ark.	Fla.	Ga.	Ky.	La.	Miss.	N.C.	Okla.	Tenn.	Texas	Va.	
Common		600.0	20.0		3.0	212.6	200.0		20.0		30.0	85.0	
Domestic	0.5		5.0			61.5	0.5				100.0		
Gulf	199.5	55.0	20.0	250.0	3.0			16.0		20.0	5.0		
Italian		10.0			2.0					20.0	2.0	1.0	
Perennial													
Total	200.0	665.0	45.0	250.0	8.0	274.1	200.5	16.0	20.0	40.0	137.0	86.0	
	Western Region												Total for Region
	Ariz.	Calif.	Colo.	Idaho	Mont.	Nev.	N.Mex.	Ore.	Utah	Wash.	Wyo.	Alaska	
Common		150.0	1.0			2.0		100.0				0.2	
Domestic								5.0					
Gulf								5.0					
Italian						1.0							
Linn								5.0					
New Zealand								1.0					
Perennial		700.0	2.5			2.0		35.0	0.5	80.0			
Perennial S-23		3.0						1.0					
Total		853.0	3.5			5.0		152.0	0.5	80.0		0.2	1094.2

Table 35 **RYEGRASS**

Acreages by Varieties, Expected Trends - By Regions

Variety	NORTHEASTERN				NORTH CENTRAL				SOUTHERN				WESTERN			
	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend
	1957-61 Average	1962			1957-61 Average	1962			1957-61 Average	1962			1957-61 Average	1962		
	1,000 acres				1,000 acres				1,000 acres				1,000 acres			
	Common	10.0	31.0	24.0	1.0	25.2	30.1	39.5	1.1	92.5	1085.6	55.9	1.0	122.0	103.2	9.4
Domestic	52.4	53.4	41.3	1.0	13.5	20.0	26.3	1.0	194.5	85.0	4.4	1.0	208.5	155.0	14.2	1.0
Gulf	8.0	26.0	20.0	1.0	25.0	20.0	26.3	1.0	65.5	167.5	8.6	1.0	5.0	5.0	*	1.1
Italian									775.7	568.5	29.3	1.0	1.5	1.0	*	-
Linn													5.0	5.0	*	1.1
New Zealand													1.0	1.0	*	0.9
Perennial S=23	5.0	19.0	14.7	1.0	7.8	5.8	7.6	1.0	32.5	35.0	1.8	1.2	785.0	820.0	74.9	1.1
All others					-	0.1	*	-					2.0	4.0	*	1.1
													75.0	-	-	-
Total		129.4				76.0				1941.6				1094.2		

Table 36 **RYEGRASS**

Acreages by Varieties, Expected Trends - U.S.

Variety	A C R E A G E		Total Acreage	Expected Trend	S T A T E S	
	1957-61	1962			Reporting	Recommending
	Average				No.	No.
		1,000 acres	1,000 acres		Percent	
Common	171.1	1,249.9	38.6	1.0	16	13
Perennial	830.4	879.8	27.1	1.1	11	10
Italian	806.2	615.5	19.0	1.0	12	10
Domestic	468.9	313.4	9.7	1.0	9	9
Gulf	68.0	172.5	5.3	1.2	5	6
Linn	5.0	5.0	*	1.1	1	1
Perennial S-23	2.0	4.0	*	1.1	2	1
New Zealand	1.0	1.0	*	0.9	1	1
All Others	75.0	0.1	*	-	1	-
Norlea	--	--	-	-	-	1
Total		3,241.2				

Table 37 **SUDANGRASS**

Acreages by Varieties - By States and Regions

VARIETY	<u>North Eastern Region</u>		Me.	Md.	Mass.	N.H.	N.J.	N.Y.	Pa.	R.I.	Vt.	W.Va.	Total for Region
	Conn.	Del.											
	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres
Common			0.5		1.0		0.5	2.0	4.0	0.1		5.0	13.1
DeKalb-Sudax				0.1			1.0						1.0
Greenleaf													0.1
Hybride		2.0							5.0				7.0
Piper	1.6	3.0	1.5	4.0	5.0	1.4	8.5	18.0	17.0	1.0		15.0	76.0
Sweet				3.0									3.0
Tift				0.5									0.5
Wheeler							1.0						1.0
All others				4.0		0.1			4.0				8.1
Total	1.6	5.0	2.0	11.6	6.0	1.5	11.0	20.0	30.0	1.1		20.0	109.8
<u>North Central Region</u>													
	Ill.	Ind.	Iowa	Kane.	Mich.	Minn.	Mo.	Nebr.	N.D.	Ohio	S.D.	Wise.	
Common	0.8		10.0		15.0	170.0	10.0	20.4	1.5	16.0	30.0	10.0	283.7
California 23												1.0	1.0
Greenleaf	0.7	5.0	5.0	210.0			5.0				0.2		225.9
Lahoma				2.0									2.0
Piper	10.0	5.0	30.0	8.0	90.0	30.0	75.0	25.2	210.0	6.0	100.0	70.0	659.2
Sweet	5.0	5.0	5.0		10.0			5.4			0.1	5.0	35.5
Sweet 372				1.0									1.0
Tift				1.0						5.0			6.0
Wheeler				118.0				8.4					126.4
All others				160.0				0.6					160.6
Total	16.5	15.0	50.0	500.0	115.0	200.0	90.0	60.0	211.5	27.0	130.3	86.0	1501.3
<u>Southern Region</u>													
	Ala.	Ark.	Ga.	Ky.	La.	Miss.	N.C.	Okla.	S.C.	Tenn.	Tex.	Va.	
Common	2.0	2.0		3.0	6.4		2.0	10.0			100.0	1.0	126.4
DeKalb-Sudax					0.8					10.0		2.0	12.8
Greenleaf	3.5				0.1	5.0		25.0				7.0	40.6
Hybride		10.0								3.0			13.0
Lahoma								15.0					15.0
Piper	5.5	35.0		15.0	0.1	2.0		10.0		15.0		3.0	85.6
Suhil-1			0.1										0.1
Sweet		42.0	2.0	3.0	11.2	40.0	10.5			5.0	140.0	5.0	258.7
Sweet 372											1.0		3.0
Tift	1.0		25.0		2.7	12.0	1.0	2.0			5.0		46.7
Total	12.0	89.0	27.1	21.0	21.3	59.0	13.5	62.0	1.5	33.0	246.0	18.0	601.9
<u>Western Region</u>													
	Ariz.	Calif.	Colo.	Idaho	Mont.	Nev.	N.Mex.	Ore.	Utah	Wash.	Wyo.	Alaska	
Common	5.5		90.0			0.5		5.0	1.0				102.0
California 23	10.0	30.0											40.0
Greenleaf	0.5		10.0					1.0					15.0
Piper	0.1	100.0	40.0		2.0	0.5	3.5	10.0		10.0	10.0		172.6
Sorghum-Sudan Cr.		10.0											10.0
Sweet	5.5				0.8		0.3	4.0	1.0				11.6
Sweet 372		30.0											30.0
Sweet 2160							2.0						2.0
Tift						0.5							12.5
Wheeler		12.0	60.0			0.5	0.3						60.0
All others													0.8
Total	21.6	182.0	200.0		2.8	2.0	6.1	20.0	2.0	10.0	10.0		456.5

Table 36 **SUDANGRASS**

Acreages by Varieties, Expected Trends - By Regions

Variety ^a	NORTHEASTERN				NORTH CENTRAL				SOUTHERN				WESTERN			
	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend
	1957-61 Average	1962			1957-61 Average	1962			1957-61 Average	1962			1957-61 Average	1962		
	1,000 acres				1,000 acres				1,000 acres				1,000 acres			
California 23	11.5	13.1	11.9	0.9	--	1.0	*	1.0	364.6	126.4	21.0	0.9	46.0	40.0	8.8	1.0
Common	--	1.0	*	1.1	113.6	283.7	18.9	1.0	5.0	12.8	2.1	1.2	77.8	102.0	22.3	1.2
DeKalb-Sudax	--	0.1	*	1.1	184.9	225.9	15.0	1.0	17.9	40.6	6.7	1.0	10.4	15.0	3.3	0.9
Greenleaf	6.0	7.0	6.4	1.1	4.3	2.0	*	0.8	--	13.0	2.2	1.3	--	--	--	--
Hybrids	70.8	76.0	69.2	1.0	436.6	659.2	43.9	1.2	7.5	15.0	2.5	1.0	--	--	--	--
Lahoma	Sweet	5.0	3.0	2.7	1.0	10.0	35.5	2.4	0.9	56.2	85.6	14.2	1.1	118.0	172.6	37.8
Piper	11.8	--	--	--	11.0	1.0	*	1.0	144.2	258.7	43.0	1.0	19.8	11.6	2.5	0.9
Sweet 372	--	--	--	--	--	--	--	--	1,234.3	3.0	*	1.0	37.6	30.0	6.6	1.0
Sweet 2160	--	--	--	--	--	--	--	--	--	0.1	*	--	--	2.0	*	1.2
Suh1-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sorghum-Sudan Cr.	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tift	2.2	0.5	*	0.9	1.9	6.0	*	1.0	62.6	46.7	7.8	1.0	--	10.0	2.2	1.1
Wheeler	--	1.0	*	1.0	145.2	126.4	8.4	1.2	4.0	--	--	--	11.4	12.5	2.7	1.0
All Others	--	8.1	7.4	--	--	160.6	10.7	--	--	--	--	--	58.0	60.0	13.1	1.1
Total	--	109.8	--	--	--	1,501.3	--	--	--	601.9	--	--	--	456.5	--	--

Table 39 **SUDANGRASS**

Acreages by Varieties, Expected Trends - U.S.

Variety	A C R E A G E		Total Acreage	Expected Trend	S T A T E S	
	1957-61	1962			Reporting	Recommending
	Average				No.	No.
	1,000 acres	1,000 acres			Percent	
Piper	681.5	993.4	37.2	1.1	39	37
Common	567.5	525.2	19.7	1.0	30	7
Sweet	175.7	308.8	11.6	0.9	22	14
Greenleaf	209.6	281.6	10.5	1.0	18	16
Wheeler	205.6	187.4	7.0	1.1	4	3
All Others	--	169.5	6.3	-	7	-
Tift	76.0	65.7	2.5	1.0	11	10
California 23	46.0	41.0	1.5	1.0	3	1
Sweet 372	1,045.4	34.0	1.3	1.0	4	3
Hybrids	6.0	20.0	*	1.2	4	1
Lahoma	8.0	17.0	*	0.8	2	2
DeKalb-Sudax	5.0	13.8	*	1.1	3	3
Sorghum-Sudan Cross	--	10.0	*	1.1	1	1
Sweet 2160	--	2.0	*	1.2	1	1
Suh1-1	--	0.1	*	-	1	1
Total		2,669.5				

Table 40 **MILLET**
Acreages by Varieties - By States and Regions

VARIETY	North Eastern Region		Me.	Md.	Mass.	N.H.	N.J.	N.Y.	Pa.	R.I.	Vt.	W. Va.	Total for Region
	Conn.	Del.											
	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres
Gahi I				0.5									0.5
German Foxtail		0.5		0.5									1.0
Hungarian	0.5		1.0		0.5	0.8				0.1			2.9
Japanese	2.0		3.0		3.0	1.7			10.0	0.2			19.9
Pearl				6.0			0.2						6.2
All Other									1.0				1.0
Total	2.5	0.5	4.0	7.0	3.5	2.5	0.2		11.0	0.3			31.5
<u>North Central Region</u>													
	Ill.	Ind.	Iowa	Kane.	Mich.	Minn.	Mo.	Nebr.	N.D.	Ohio	S.D.	Wisc.	
Canadian Crown								2.8			0.4		0.4
Common								4.0					2.8
Common Foxtail								1.2	50.0		2.5		4.0
Early Fortune				5.0				2.0	12.0		0.7		53.7
German Foxtail									5.0		0.2		19.7
Hungarian			2.0										5.2
Japanese													2.0
Manta								0.4			4.0		4.4
Red Turghai									40.0				40.0
Siberian					1.0			12.0	75.0		5.0		92.0
Starr													1.0
White Proso								16.0	110.0		5.0		131.0
Total			2.0	6.0	10.0	25.0		40.0	292.0		17.8		392.8
<u>Southern Region</u>													
	Ala.	Ark.	Fla.	Ga.	Ky.	La.	Miss.	N.C.	Okla.	Tenn.	Texas	Va.	
Browntop	12.0	2.5	5.0	75.0		6.6				1.0			102.1
Cattail							20.0			5.0			25.0
Common						9.1							9.1
Common Foxtail											2.0		2.0
Gahi I	11.0	1.0	30.0	60.0		7.4	10.0	10.0	2.5	15.0	2.0	6.0	155.0
German Foxtail		40.0				0.2		5.0	4.0	60.0	15.0	2.0	126.2
Pearl	3.0	11.0	5.0		1.5	17.4	50.0	2.0	1.5		15.0	10.0	116.4
Pearl No. 7											2.0		2.0
Starr	59.0	8.0	50.0	74.0	1.5	14.4	60.0	25.0	5.0	30.0	10.0	4.0	341.0
All Other						1.0							1.0
Total	85.0	62.5	90.0	209.0	3.0	56.1	140.0	42.0	13.0	111.0	46.0	22.0	879.8
<u>Western Region</u>													
	Ariz.	Calif.	Colo.	Idaho	Mont.	Nev.	N. Mex.	Ore.	Utah	Wash.	Wyo.	Alaska	
Common			10.0								10.0		20.0
Gahi I							0.1						0.1
German Foxtail		1.0	10.0		1.0		1.2						13.2
Hungarian					0.5								0.5
Red Turghai			20.0										20.0
Siberian			20.0		1.0						10.0		31.0
Starr	0.5												1.0
White Proso		5.0	20.0				0.5						30.0
White Wonder			20.0								5.0		20.0
All Other			25.0										25.0
Total	0.5	6.0	125.0		2.5		1.8				25.0		160.8

Table 41 **MILLET**

Acreages by Varieties, Expected Trends - By Regions

Variety	NORTHEASTERN				NORTH CENTRAL				SOUTHERN				WESTERN			
	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend
	1957-61 Average	1962			1957-61 Average	1962			1957-61 Average	1962			1957-61 Average	1962		
	1,000 acres				1,000 acres				1,000 acres				1,000 acres			
Browntop									147.1	102.1	11.6	1.0				
Cattail									31.0	25.0	2.8	1.0				
Common					12.9	2.8	*	1.0	1.3	9.1	1.0	1.0	38.5	20.0	12.4	1.0
Common Foxtail					5.3	4.0	1.1	1.0	2.4	2.0	*	1.0	5.5	-	-	-
Canadian Crown					0.4	0.4	*	1.0								
Early Fortune					19.0	53.7	15.1	0.8								
Gahi 1	0.2	0.5	1.6	1.0					64.9	155.0	17.6	1.2	2.0	0.1	*	0.8
Hungarian	3.1	2.9	9.2	1.0	2.2	5.2	1.5	1.0					-	0.5	*	1.1
German Foxtail	0.4	1.0	3.2	1.0	8.3	19.7	5.5	0.8	86.5	126.2	14.3	1.0	13.6	13.2	8.2	1.1
Japanese	16.8	19.9	63.2	1.0	5.1	2.0	*	1.0								
Manta					0.2	4.4	1.2	1.2								
Pearl	4.2	6.2	19.7	1.1					234.7	116.4	13.2	1.0				
Pearl No. 7									2.8	2.0	*	1.0				
Red Turghai	--	*	-	-	5.5	40.0	11.2	0.8					20.0	20.0	12.4	1.0
Siberian					41.4	92.0	25.8	0.8	116.0	-	-	-	10.0	31.0	19.3	1.0
Starr					1.0	1.0	*	1.0	362.1	341.0	38.8	1.1	5.0	1.0	*	1.0
White Proso					62.9	131.0	36.8	0.8					14.2	30.0	18.7	1.0
White Wonder					*	*	-	-					21.3	20.0	12.4	1.0
All others	--	1.0	3.2	-	-	-	--	-	--	1.0	*	-	--	25.0	15.5	-
Total		31.5				356.2				879.8				160.8		

Table 42 **MILLET**

Acreages by Varieties, Expected Trends - U.S.

Variety	A C R E A G E		Total Acreage	Expected Trend	S T A T E S	
	1957-61	1962			Reporting	Recommending
	Average				No.	No.
		1,000 acres	1,000 acres		Percent	
Starr	367.7	343.0	24.0	1.1	15	13
White Proso	77.1	161.0	11.3	0.9	6	6
German Foxtail	109.0	160.1	11.2	1.0	18	13
Gahi I	66.0	155.6	10.9	1.2	13	13
Siberian	75.3	123.0	8.6	0.9	6	5
Pearl	239.3	122.6	8.6	1.0	12	7
Browntop	147.1	102.1	7.1	1.0	6	4
Red Turghai	23.7	60.0	4.2	0.9	4	5
Early Fortune	19.0	53.7	3.8	0.8	3	2
Common	49.2	31.9	2.2	1.0	4	3
All Others	--	27.0	1.9	-	3	-
Cattail	31.3	25.0	1.8	1.0	2	3
Japanese	19.3	21.9	1.5	1.0	8	7
White Wonder	17.0	20.0	1.4	1.0	2	1
Hungarian	3.7	8.6	*	1.0	9	9
Common Foxtail	10.3	6.0	*	1.0	2	1
Manta	*	4.4	*	1.2	2	1
Pearl No. 7	2.8	2.0	*	1.0	1	1
Canadian Crown	*	0.4	*	1.0	1	1
Total		1,428.3				

